



**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of: **Motoki KYO, et al.**

Group Art Unit: **1643**

Serial No.: **10/756,767**

Examiner: Not yet assigned

Filed: **January 14, 2004**

Confirmation No.: **1737**

For: **AN ARRAY HAVING OLIGONUCLEOTIDES ON A METAL SUBSTRATE**

Attorney Docket No.: **032084**

Customer Number: **38834**

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

April 12, 2004

Sir:

Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached Form PTO-1449. A copy of each listed document is attached.

These references are discussed in pages 2-4 of the specification.

No fee or certification is required in connection with this Information Disclosure Statement, because it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. Applicants respectfully request that the information be expressly considered during the prosecution of this application and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 50-2866 for any fee that is required to effect consideration of this statement.

Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

A handwritten signature in black ink, appearing to read 'Sadao Kinashi', written in a cursive style.

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Enclosures: Form PTO-1449 & 9 References

**INFORMATION  
DISCLOSURE  
CITATION  
PTO-1449**

Atty. Docket No.: **032084**

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Applicant(s): **Motoki KYO et al.**

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**U.S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
	AA	6,326,489	Church et al.	12/04/2001	536	25.3	
	AB	5,436,161	Bergström et al.	07/25/1995	435	291	
	AC	2003/0171506	Kataoka et al.	09/11/2003	525	535	
	AD	6,217,129	Corn et al.	10/03/2000	435	6	

**FOREIGN PATENT DOCUMENTS**

		Document No.	Date	Country	Translation (Yes or No)
	AE	WO 00/67028	11/09/2000	PCT	N/A
	AF	2000-146976	05/26/2000	Japan	Yes
	AG	WO 01/86301	11/15/2001	PCT	Yes (Abstract) Corresponding to U.S. Pub. No. 2003/0171506

**OTHER DOCUMENTS**

	AH	Boon et al., <i>An electrical probe of protein-DNA interactions on DNA-modified surfaces</i> , Nature Biotechnology 20, Vol. 20, March 2002, pp. 282-286
	AI	Herne et al., <i>Characterization of DNA Probes Immobilized on Gold Surfaces</i> , J. Am. Chem. Soc., Vol. 119, No. 38, 1997, pp.8916-8920
	AJ	Brockman et al., <i>A Multistep Chemical Modification Procedure To Create DNA Arrays on Gold Surfaces for the Study of Protein – DNA Interactions with Surface Plasmon Resonance Imaging</i> , J. Am. Chem. Soc., Vol. 121, No. 35, 1999, pp. 8044-8051
	AK	Sigal et al., <i>A Self-Assembled Monolayer for the Binding and Study of Histidine-Tagged Proteins by Surface Plasmon Resonance</i> , Analytical Chemistry, Vol. 68, No. 3, February 1, 1996, pp. 490-497
	AL	Jung et al., <i>Binding and Dissociation Kinetics of Wild-Type and Mutant Streptavidins on Mixed Biotin-Containing Alkylthiolate Monolayers</i> , Langmuir, Vol. 16, No. 24, 2000, pp. 9421-9432
	AM	Prime et al., <i>Adsorption of Proteins onto Surfaces Containing End-Attached Oligo (ethylene oxide): A Model System Using Self-Assembled Monolayers</i> , J. Am. Chem. Soc., Vol. 115, No. 23, 1993, pp. 10714-10721
Examiner		Date Considered